

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/022901

A. CLASSIFICATION OF SUBJECT MATTER		
Int.Cl. H03K19/0175 (2006.01)		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Int.Cl. H03K19/0175 (2006.01)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Published examined utility model applications of Japan 1922-1996 Published unexamined utility model applications of Japan 1971-2006 Registered utility model specifications of Japan 1996-2006 Published registered utility model applications of Japan 1994-2006		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 8-107345 A (FUJITSU LIMITED), 1996.04.23, Figs. 1, 2, 4 (Family : none)	1-4, 21
X	JP 11-163715 A (SIEMENS AKTIENGESELLSCHAFT), 1999.06.18, Fig. 6 & US 5939937 A & EP 905902 A2 & CN 1221256 A & TW 388981 B	5, 6, 21
X	JP 2000-40366 A (Hitachi, Ltd.), 2000.02.08, Figs. 9, 11, 15, 34 & JP 3102428 B	5-12, 19-21
X	JP 2004-159197 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 2004.06.03, Fig. 1 (Family : none)	5, 6, 19-21
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date, or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the international search report
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 58-64828 A (KABUSHIKI KAISHA TOSHIBA), 1983.04.18, Figs. 4, 5 (Family : none)	13-18, 21
X	JP 58-162130 A (Oki Electric Industry Co., Ltd.), 1983.09.26, Fig. 2 (Family : none)	13-18, 21
X	JP 62-125713 A (KABUSHIKI KAISHA TOSHIBA), 1987.06.08, Fig. 2 (Family : none)	13-18, 21
X	JP 4-236516 A (SONY CORPORATION), 1992.08.25, Fig. 1 & US 5276365 A & KR 225549 B	13-18, 21